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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/923,880	08/07/2001	Thane M. Larson	10012570-1	9747

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HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, CO 80527-2400

EXAMINER
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SURYAWANSHI, SURESH

ART UNIT	PAPER NUMBER
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2115

DATE MAILED: 01/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/923,880

**Applicant(s)**

LARSON ET AL.

**Examiner**

Suresh K Suryawanshi

**Art Unit**

2115

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-14 and 16-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 and 16-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. Claims 1-14 and 16-21 are presented for examination.

#### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 1-4, 6-9, 11-13, 16-18 and 20-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Gallagher et al (US Patent no 5,971,804).

4. As per claim 1, Gallagher et al disclose a server system comprising:

a plurality of printed circuit assemblies [Fig. 1; col. 5, lines 7-12, 53-56];

a server management card coupled to the plurality of printed circuit assemblies for monitoring and managing operation of the server system, the server management card receiving and storing status information from the plurality of printed circuit assemblies [Fig. 1; col. 7, lines 9-20, 27-38; control station 22], the server management card including a plurality of interfaces for configuring the server management card and accessing the stored status information from the server management card [Fig. 1; Fig. 3A; col. 7, lines 9-41; keyboard, mouse, flat panel display, CDROM, floppy disk drive, SCSI channels, Ethernet communications, modem, and network and storage are available to the control station];

5. As per claim 2, Gallagher et al teach that the plurality of interfaces to the server management card includes at least one serial port interface [Fig. 5E; RS-232 ports; Fig. 8; COM 1 & 2 ports] and at least one LAN interface [Fig. 1; Network; Fig. 5C; Ethernet; Fig. 8; Network connection].

6. As per claims 3 and 13, Gallagher et al teach that the LAN interface is configured to be coupled to a server management LAN [Fig. 1; inherent to the system as the system itself is a data server; col. 5, lines 7-9].

7. As per claim 4, Gallagher et al teach that the plurality of interfaces to the server management card further include an interface coupled to at least one LCD panel mounted on the server system [Fig. 3A; col. 6, lines 5-7; a flat panel display].

8. As per claim 6, Gallagher et al teach that multiple connections through the plurality of interfaces to the server management card may be active at one time [col. 7, lines 26-38].

9. As per claims 7 and 16, Gallagher et al teach that the multiple connections through the plurality of interfaces include a master connection, and at least one mirrored connection [col. 7, lines 9-41; redundant system].

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10. As per claims 8 and 17, Gallagher et al teach that the server management card is configured to communicate via a telnet protocol through at least one of the plurality of interfaces to the server management card [inherent to a network system].

11. As per claim 9, Gallagher et al teach that the server system further comprising a backplane for connecting the server management card and the plurality of printed circuit assemblies [col. 3, lines 51-52; a set of four backplanes used by the server system].

12. As per claim 11, Gallagher et al teach

providing a management card in the server system including a plurality of user interfaces [Fig. 1; col. 7, lines 9-20, 27-38; control station 22; Fig. 3A; keyboard, mouse, flat panel display];

transmitting status information from the cards fitted in the server system to the management card [Fig. 1; col. 7, lines 27-38];

receiving the status information from the management card via one of the plurality of user interfaces [Fig. 1; Fig. 3A; col. 7, lines 9-14; keyboard, mouse, flat panel display];

transmitting configuration information through one of the plurality of user interfaces to the management card [Fig. 1; Fig. 3A; col. 7, lines 9-14; keyboard, mouse, flat panel display];

storing the configuration information on the management card [user interfaces keyboard, mouse and display are connected to the control station to access and modify the information; col. 7, lines 9-37; Fig. 8]; and

providing multiple simultaneous active connections through the plurality of user interfaces to the management card [Fig. 1; Fig. 3A; col. 7, lines 9-20; keyboard, mouse, and flat panel display available to the control station].

13. As per claim 12, Gallagher et al teach that the plurality of user interfaces to the management card include at least one serial port interface [Fig. 5E; RS-232 ports; Fig. 8; COM 1 & 2 ports], at least one LAN interface [Fig. 1; Network; Fig. 5C; Ethernet; Fig. 8; Network connection], and at least one LCD panel interface coupled to an LCD panel mounted on the server system [Fig. 3A; col. 6, lines 5-7; a flat panel display].

14. As per claim 18, Gallagher et al teach that the status information transmitted from the cards fitted in the server system to the management card is transmitted through an I<sup>2</sup>C bus routed through a backplane of the server system [inherent to the system; col. 12, lines 65-66; I<sup>2</sup>C bus has been known for over a decade and it is very commonly used for point-to-point communication].

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15. As per claim 20, Gallagher et al teach a server management card for managing the operation of a server system, the server system including a plurality of cards fitted in the server system [col. 5, lines 7-12, 53-56; col. 7, lines 9-41], the server management card comprising:

a set of bus inputs for receiving status information via at least one system bus from the plurality of cards fitted in the server system [the control stations are responsible for communications interconnect between themselves and other printed circuit boards; col. 7, lines 27-38];

a memory for storing the received status information [user interfaces keyboard, mouse and display are connected to the control station to access and modify the information; col. 7, lines 9-37; Fig. 8]; and

a plurality of user interfaces for allowing a user to access the server management card, configure the server management card, and access the stored status information, the plurality of user interfaces including a LAN interface configured to be coupled to management LAN connections of the plurality of cards and to a management LAN [Fig. 1; Fig. 3A; Fig. 8; col. 7, lines 9-41; keyboard, mouse, flat panel display, CDROM, floppy disk drive, SCSI channels, Ethernet communications, modem, and network and storage are available to the control station].

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16. As per claim 21, Gallagher et al teach that the LAN interface is dedicated to management LAN communications that are separate from payload LAN communication of the plurality of cards [col. 6, lines 55-64].

***Claim Rejections - 35 USC § 103***

17. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

18. Claims 5, 10, 14 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gallagher et al (US Patent no 5,971,804).

19. As per claims 5 and 14, Gallagher et al disclose the invention substantially. Gallagher et al clearly disclose the plurality of interfaces to the server management card include a first interface coupled to a first LCD panel mounted on a front panel of the server system [Fig. 3A]. Gallagher et al do not disclose about a second interface coupled to a second LCD panel mounted on a back panel of the server system. However, a routineer in the art would be able to couple a second LCD panel on a different side of the server system as a redundant LCD panel. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have a second LCD panel mounted on a back panel of the server system as a redundant panel.



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Moreover, Gallagher et al know the advantage of a redundant system [col. 7, lines 17-26]. Even though, Gallagher et al uses only one LCD panel common to the redundant control management card, a routineer in the art would easily be able to install another LCD panel on the server system if needed or as a redundant LCD panel for precaution.

20. As per claims 10 and 19, Gallagher et al disclose the invention substantially. Gallagher et al do not disclose about having three levels of users access. However, a routineer in the art would know that in a server/client environment, users are granted certain type of accessibility. One user may have read only accessibility. One user may read and write. One user may have read, write and configuration accessibility. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide three or more levels of user access as needed to secure the system properly.

### ***Response to Arguments***

21. Applicant's arguments with respect to claims 1-14 and 16-21 have been considered but are moot in view of the new ground(s) of rejection.

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***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Suresh K Suryawanshi whose telephone number is 571-272-3668. The examiner can normally be reached on 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

sks

December 13, 2004

  
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